

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-014379**Date Inspected:** 13-May-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** **Yes No N/A****Rod Oven in Use:** **Yes No N/A****Electrode to specification:** **Yes No N/A****Weld Procedures Followed:** **Yes No N/A****Qualified Welders:** **Yes No N/A****Verified Joint Fit-up:** **Yes No N/A****Approved Drawings:** **Yes No N/A****Approved WPS:** **Yes No N/A****Delayed / Cancelled:** **Yes No N/A****Bridge No:** 34-0006**Component:** OBG Trial Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

Orthotropic Box Girder (OBG) Trial Assembly Areas

**Incident Report for Segment 10AW**

This Quality Assurance (QA) Inspector wrote an Incident Report for Mis-Drilled I-Stiffener of Deck Panel at Corner Assembly Counter Weight side at Panel Point (PP) 86 for Segment 10AW for more comprehensive details please refer the Incident Report # 04-0120F4\_TL-15\_B278\_05-13-2010\_Mis Drilled Holes\_Segment 10AW\_PP 86\_Deck Panel I-Rib at PP 86 Dated May 13, 2010. Please refer the attached pictures below for more comprehensive details.

**Segment 10AW**

This QA Inspector performed Green Tag DCP along with Mr. Manikandan for the following Segment 10AW from Panel Point (PP) 85.25 to PP 88.25.

Vertical and Horizontal Offset at T-Ribs to T-Ribs at FL3 areas between PP 86 to PP 86.5; PP 87 to PP 87.5 and

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PP 87.5 to PP 88.

T-Ribs Cope holes buckling at the Floor beam at PP 86, PP 87 and PP 88 at FL3 locations.

Corner Assembly Cope Holes dimension measurements at PP 85.5, PP 86, PP 86.5, PP 87, PP 87.5 and at PP 88 Cross Beam and Counter Weight Side.

Segment 10BE

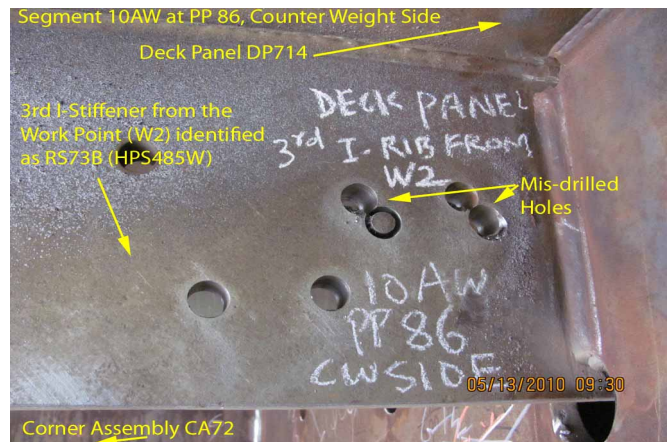
This QA Inspector performed Green Tag DCP along with Mr. Manikandan for the following Segment 10BE from Panel Point (PP) 88.5 to PP 91.5.

Skin Flatness measurement for Deck Panel to Corner Assembly from PP 88.5 to PP 91.5 Cross Beam and Counter Weight side with 600mm Straight side.

Skin Flatness measurement for Side Panel to Corner Assembly from PP 88.5 to PP 91.5 Cross Beam and Counter Weight side with 600mm Straight side.

Corner Assembly Cope Holes dimension measurements at PP 88.5, PP 89, PP 89.5, PP 90, PP 90.5, PP 90, PP 90.5, PP 91 and PP 91.5 Cross Beam and Counter Weight Side.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



## Summary of Conversations:

No relevant conversations.

## Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric T Sang 1500-0042-2372, who represents the Office of Structural Materials for your project.

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**Inspected By:** Math,Manjunath

Quality Assurance Inspector

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**Reviewed By:** Carreon,Albert

QA Reviewer